

Safety Data Sheet

MAGNAFLOC® 368

Revision date : 2010/08/26
Version: 1.0

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(30493019/SDS_GEN_US/EN)

1. Product and Company Identification

Use: flocculation agent

Company
BASF CORPORATION
100 Campus Drive
Florham Park, NJ 07932, USA

24 Hour Emergency Response Information
CHEMTREC: 1-800-424-9300
BASF HOTLINE: 1-800-832-HELP

2. Hazards Identification

Emergency overview

NOTICE:

May cause eye, skin or respiratory irritation.

Inhalation of dust may cause respiratory irritation.

Organic powders may be capable of generating static discharges and creating explosive mixtures in air. Handle with caution.

Refer to MSDS Section 7 for Dust Explosion information.

State of matter: solid

Colour: off-white

Odour: mild

Potential health effects

Primary routes of exposure:

Routes of entry for solids and liquids include eye and skin contact, ingestion and inhalation. Routes of entry for gases include inhalation and eye contact. Skin contact may be a route of entry for liquified gases.

Irritation / corrosion:

May cause skin irritation.

Eye contact causes irritation. Irritating to respiratory system.

Chronic toxicity:

Carcinogenicity: None of the components in this product at concentrations greater than 0.1% are listed by IARC; NTP, OSHA or ACGIH as a carcinogen.

Reproductive toxicity: No data for product. No effects anticipated

Teratogenicity: No data available concerning teratogenic effects.

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Genotoxicity: The chemical structure does not suggest a mutagenic effect.

3. Composition / Information on Ingredients

This product is not regarded as hazardous under current OSHA Hazard Communication standard; CFR 29 Part 1910.1200.

4. First-Aid Measures

General advice:

Remove contaminated clothing.

If inhaled:

If difficulties occur after dust has been inhaled, remove to fresh air and seek medical attention.

If on skin:

Wash thoroughly with soap and water.

If irritation develops, seek medical attention.

If in eyes:

Wash affected eyes for at least 15 minutes under running water with eyelids held open.

Seek medical attention.

If swallowed:

Rinse mouth and then drink plenty of water. Do not induce vomiting. Immediate medical attention required.

Note to physician

Treatment: Treat according to symptoms (decontamination, vital functions), no known specific antidote.

5. Fire-Fighting Measures

Flash point: not applicable

Suitable extinguishing media:

foam, dry powder, carbon dioxide

Additional information:

If water is used, restrict pedestrian and vehicular traffic in areas where slip hazard may exist.

Hazards during fire-fighting:

carbon oxides, nitrogen oxides

Very slippery when wet.

Protective equipment for fire-fighting:

Wear a self-contained breathing apparatus.

Further information:

The degree of risk is governed by the burning substance and the fire conditions. Contaminated extinguishing water must be disposed of in accordance with official regulations.

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6. Accidental release measures

Personal precautions:

Avoid dust formation. Use personal protective clothing. Use breathing apparatus if exposed to vapours/dust/aerosol.

Environmental precautions:

Contain contaminated water/firefighting water. Do not discharge into drains/surface waters/groundwater.

Cleanup:

Avoid raising dust.

For small amounts: Pick up with suitable appliance and dispose of.

For large amounts: Contain with dust binding material and dispose of.

7. Handling and Storage

Handling

General advice:

Handle in accordance with good industrial hygiene and safety practice. Avoid contact with the skin, eyes and clothing. Use only in well-ventilated areas. Breathing must be protected when large quantities are decanted without local exhaust ventilation. Caution - Slippery when wet!

Protection against fire and explosion:

The product is combustible. Avoid dust formation. When flammable solvents are present, the container must be inerted or the system otherwise designed to prevent or contain an explosion. Seek expert advice. In addition, for products packaged in fused-lined (coated) fiber drums, fiber drums with conductive liners, steel drums, steel pails, and type 'c' FIBC (bulk bags), or other conductive the following instructions also apply: - Always ground this package before emptying. The user is responsible for designing the system to handle solid and ensuring proper training of employees in the system's use.

Storage

General advice:

Keep container tightly closed and dry; store in a cool place.

8. Exposure Controls and Personal Protection

Advice on system design:

Ensure adequate ventilation.

Personal protective equipment

Respiratory protection:

Respiratory protection may not be required under normal operating conditions if adequate ventilation is provided.

Hand protection:

Chemical resistant protective gloves

Eye protection:

Safety glasses with side-shields.

Body protection:

Wear chemical resistant gloves and protective clothing.

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General safety and hygiene measures:

Wear protective clothing as necessary to minimize contact. Handle in accordance with good industrial hygiene and safety practice. Remove contaminated clothing immediately and wash before reuse. Hands and/or face should be washed before breaks and at the end of the shift.

9. Physical and Chemical Properties

Form:	beads	
Odour:	mild	
Colour:	off-white	
Melting point:		not applicable
Boiling point:		not applicable
Partitioning coefficient n-octanol/water (log Pow):		not applicable
Solubility in water:		Forms a viscous solution.

10. Stability and Reactivity

Conditions to avoid:

Avoid all sources of ignition: heat, sparks, open flame. Avoid electro-static discharge. Avoid humidity.

Substances to avoid:

strong oxidizing agents, reactive chemicals

Hazardous reactions:

No hazardous reactions when stored and handled according to instructions.

The product is chemically stable.

Decomposition products:

Hazardous decomposition products: No hazardous decomposition products if stored and handled as prescribed/indicated.

Thermal decomposition:

No data available.

11. Toxicological information

Acute toxicity

Oral:

Type of value: LD50

Species: rat

Value: > 2,000 mg/kg

The product has not been tested. The statement has been derived from products of a similar structure and composition.

Irritation / corrosion

Skin:

May cause slight irritation to the skin.

Eye:

Eye contact causes irritation.

Sensitization:

No data available concerning sensitizing effects.

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12. Ecological Information

Fish

Acute:

OECD 203; ISO 7346; 84/449/EEC, C.1 Oncorhynchus mykiss/LC50 (96 h): 4.0 mg/l
(under static conditions in the presence of 10 mg/L humic acid)

Aquatic invertebrates

Acute:

Ceriodaphnia dubia/LC50 (48 h): 1.6 mg/l
(under static conditions in the presence of 10 mg/L humic acid)

Chronic:

Ceriodaphnia dubia 7 d 0.96 mg/l
(under static-renewal conditions in the presence of humic acid)

Aquatic plants

Toxicity to aquatic plants:

not determined

Degradability / Persistence

Biological / Abiological Degradation

Degree of elimination: < 10 % (28 d)

Evaluation: Not readily biodegradable (by OECD criteria).

Bioaccumulation

The product has not been tested.

13. Disposal considerations

Waste disposal of substance:

Dispose of in accordance with national, state and local regulations.

Container disposal:

Dispose of in a licensed facility. Recommend crushing, puncturing or other means to prevent unauthorized use of used containers.

RCRA:

Not a hazardous waste under RCRA (40 CFR 261).

14. Transport Information

Land transport

USDOT

Not classified as a dangerous good under transport regulations

Sea transport

IMDG

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Hazard class: 9
Packing group: III
ID number: UN 3077
Hazard label: 9, EHSM
Marine pollutant: YES
Proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.
(contains POLYDIALYLDIMETHYLAMMONIUM CHLORIDE)

Air transport

IATA/ICAO

Hazard class: 9
Packing group: III
ID number: UN 3077
Hazard label: 9, EHSM
Proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.
(contains POLYDIALYLDIMETHYLAMMONIUM CHLORIDE)

15. Regulatory Information

Federal Regulations

Registration status:

Chemical TSCA, US released / listed

OSHA hazard category: This material is classified as not hazardous under OSHA regulations.;

EPCRA 311/312 (Hazard categories): Acute;

State regulations

CA Prop. 65:

There are no listed chemicals in this product.

16. Other Information

NFPA Hazard codes:

Health 1 Fire:1 Reactivity:0 Special:

HMIS III rating

Health: 1 Flammability: 1 Physical hazard: 0

NFPA and HMIS use a numbering scale ranging from 0 to 4 to indicate the degree of hazard. A value of zero means that the substance possesses essentially no hazard; a rating of four indicates extreme danger. Although similar, the two rating systems are intended for different purposes, and use different criteria. The NFPA system was developed to provide an on-the-spot alert to the hazards of a material, and their severity, to emergency responders. The HMIS system was designed to communicate workplace hazard information to employees who handle hazardous chemicals.

We support worldwide Responsible Care® initiatives. We value the health and safety of our employees, customers, suppliers and neighbors, and the protection of the environment. Our commitment to Responsible Care is integral to conducting our business and operating our facilities in a safe and environmentally responsible fashion, supporting our customers and suppliers in ensuring the safe and environmentally sound handling of our products, and minimizing the impact of our operations on society and the environment during production, storage, transport, use and disposal of our products.

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MSDS Prepared on: 2010/08/26

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Due to the merger of CIBA and BASF Group all Material Safety Data Sheets have been reassessed on the basis of consolidated information. This may have resulted in changes of the Material Safety Data Sheets. In case you have questions concerning such changes please contact us at the address mentioned in Section I.

END OF DATA SHEET